

School of Computer Science
Research Students' Public Presentations Schedule (v9.0)
9:40-15:00, 27 April 2026 Computer Science Building, Rooms CSB-1007 & CSB-1003

Monday, 27 April 2026

Sessions in Room CSB-1007				Sessions in Room CSB-1003			
Name	Day/Date	Presentation Titles	Chair	Name	Day/Date	Presentation Titles	Chair
9:40 Welcome Address – First Session Chair				9:40 Welcome Address – First Session Chair			
Kevlyn Stanly Kadamala	9:45	Enhancing HVAC Control Efficiency: Transfer Learning Approaches	Jawad Manzoor	Mashal Khan	9:45	Adaptive Threshold Selection for Privacy-Preserving Data Quality Control in Federated Learning	James McDermott
Zixian Zhang	10:00	LLM When Needed: Confidence-Aware Two-Stage Framework for Cross-Language Code Clone Detection		Muhammad Asad	10:00	Deep Learning Methods for Detecting Unknown Objects in Autonomous Driving	
Durre Zehra Syeda	10:15	Prediction and Longitudinal Visualization of Malware Evolution Using Artificial Intelligence		Muzhaffar Hazman Sukiman	10:15	Leveraging Community Knowledge in Sentiment Classification of Multimodal Memes	
Ilas Faiud	10:30	Agent-Based Framework for Solar PV Adoption and Policy Optimisation		Damian Wlodarczyk	10:30	Knowledge Transfer Across Road Segments for UAV-Assisted Traffic Rerouting in Disaster Scenarios Using Grammar-Guided Genetic Programming	
Ethan Padden	10:45	Geometric Reformulation of Rotation Direction Strategies for Diversity in Quantum-Inspired Evolutionary Algorithms		Adam Callaghan	10:45	Multi-Objective Multi-Agent Reinforcement Learning	
Ayman Abaid	11:00	Deep Learning for Cardiovascular Medical Imaging		Hossein Khaleghy	11:00	A Structured LLM- Assisted Framework For Electricity Anomaly Detection	
BREAK 11:15 - 11:30				BREAK 11:15 - 11:30			
Kavach Dheer	11:30	Incorporating Visual Modality into LLM-Based Recommender Systems	Ihsan Ullah	Kevin O'Brien	11:30	Identifying Pareto Optimal Strategies in Multi Objective Multi Agent Systems	Bharathi Chakravarthi
Jonaid Shianifar	11:45	Multi-Objective Cooperative Evolutionary Deep Reinforcement Learning		Umay Kulsoom	11:45	Explainable NLP for Clinical Text Analysis	
Kouider Chadli	12:00	Quality-Aware Resource Optimization for Multi-Tier LLM Routing in Heterogeneous Data Centers		Nawazish Ali	12:00	Investigating Forecast Integration in Deep Reinforcement Learning for Load and Battery Scheduling	
Evan O'Riordan	12:15	Punishment in the Dictator Game		Dost Muhammad	12:15	ClinAlignNet: A clinician-interactive framework for faithful and aligned explainability in MRI	
Rana Zeeshan	12:30	Pursuit of Digital Innovation in Psychiatric Data-Handling		Muhammad Adeel Hafeez	12:30	Camera-Only Geometric Perception for Depth Estimation	

		Practices in Irish Mental Health Services				and Robust Bird's-Eye-View Representation	
Rory Sweeney	12:45	Symbolic Regression for Soft Sensors		Allassan Tchangmena A Nken	12:45	Toward a Balanced Efficiency-Privacy-Utility Framework for Video Human Activity Recognition	
		LUNCH 13:00 – 13:30				LUNCH 13:00 – 13:30	
Asena Isik Gurhan	13:30	Frontier AI Models for Engineering Unnatural DNA Nanostructures	Nazre Batool	Hazrat Bilal	13:30	Automated and Explainable Retinal Disease Detection and Diagnosis	Matthias Nickles
Alamgir Qazi	13:45	Adversarial Robustness of Retrieval-Based Fact-Checking: Detecting and Mitigating Evidence Contamination		Yu Zhang	13:45	Learning-Based Robotic Manipulation in Unstructured Environments	
Zuha Hussain	14:00	AI for Road Asset Condition Assessment using Multimodal Sensing		Joseph Forde	14:00	Evaluating the Security of Enterprise Environments Against Vulnerabilities Posed by Shadow IT	
Shokofeh Anari Bozcheloei	14:15	AI-Enhanced Epilepsy Diagnosis from Clinical Narratives: Utilizing Large Language Models for First Encounter Letters		Wilmore Chininga	14:15	A Hybrid Post-Quantum Cryptographic Framework for Authenticated Data Transport of Multi-Media and Hardware-Rooted Media Provenance	
Guntur Maulana Zamroni	14:30	The State of HCI and Aging: Current Trends, Challenges, and Future Directions		Gianpiero Guidone	14:30	Multimodal Medical Image analysis	
				Fong Ting Chee	14:45	Generative Design of Computational RNAs	
POST-GRC GATHERING – SULT (COLLEGE BAR)							